TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.	JOB ORDER NUMBER	APPROP. FY
	NAS5- TASK NO. AMENDMENT		
QSS Group, Inc.	99124 4	563-839-30-63-~~88~~ 89	99

TASK TITLE: (NTE 80 characters; include Project name)

NanoSat Electrical Power System (EPS) Services

APPROVALS: (Type or print name and sign)

	DATE	ORG CODE	MAIL CODE	PHONE
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR): Bob G. Beaman Bob G Beaman	99/04/08	563	563	301-286-2538
BRANCH HEAD: Marlon Enciso for Thomas Y.	4/8/99	CODE 563		PHONE 301-286-5845
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR): for Fred Huegel Deborah A. Clark	4/14/99	CODE 568		PHONE 301-286-2285

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.	DESIGNATED FAM:
[X] NO [ ] YES	Larry Moore	

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)
C.O. Requested Quote on:
Date: APR 19 1999

Contractor will develop specification or statement of work under this task for a future procurement. [X] NO [ ] YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. [ ] NO [ ] YES [X] N/A

Government Furnished Property/Facilities: [X] NO [X] YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: [ ] NO [X] YES If yes: [X] TOTAL [ ] PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: [X] NO [ ] YES

Highlighted Contract Clauses: *(to be completed by Contracting Officer)*

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be May 3, 1999.

Per the Contracting Officer's letter, dated October 21, 1999, the end date of this task order shall October 21, 1999.

INCENTIVE FEE STRUCTURE (check one)
(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	_X_ No. 1	___ No. 2	___ No. 3	___ No. 4	___ No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is $ 60,842.
The target fee of this task order is $ 3,955.
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is $ 64,797.

The maximum fee is $ 5,780.
The minimum fee is $0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Lorrie L. Eakin — SIGNATURE OF CONTRACTING OFFICER

11/19/99 — DATE

Lorrie L. Eakin
Contracting Officer
TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE

DATE

GSFC FORM 703-1845 12/98 (OLDER VERSIONS ARE OBSOLETE)

DISTRIBUTION: CONTRACTOR, CONTRACTING OFFICER, COTR, CODE 303, RESOURCES ANALYST, ASSISTANT TECHNICAL REPRESENTATIVE

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	NAS5-	TASK NO.	AMENDMENT
QSS Group, Inc.	99124	4	

Applicable paragraphs from contract Statement of Work: Function 2.D.7

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The contractor shall provide services for the development of a NanoSat Spacecraft Electrical Power System (EPS) of a low voltage spacecraft bus using new technology energy collection, storage and conversion. The contractor shall be familiar with the NanoSat spacecraft electrical power system. Contractor shall be familiar with various solar array technologies along with different energy storage devices and electronics topology. The contractor shall provide analysis, reports and presentations on various technology alternatives. The contractor shall provide test procedures, and use test equipment for testing engineering test unit (ETU) hardware. The contractor shall provide comments on software and firmware associated with the EPS flight, ETU and ground support equipment. The contractor shall be required to travel to vendor sites to gain insight on new technology and application to the NanoSat Spacecraft design.

The following specific activities are required:

1. Contact various vendors to become familiar with NanoSat applicable equipment and their possible applications to NanoSat EPS.
2. Attend meetings and present status reports for the NanoSat project.
3. Generate documents and reports: test procedures, change request, status reports, problem narratives and load analysis.
4. Work as an integral part of the NanoSat technology development team.
5. Provide assistance in generating technology reviews.

PERFORMANCE SPECIFICATIONS:
All plans and procedures under this task are to be produced using industry standard practice.

APPLICABLE DOCUMENTS:
NanoSat Spacecraft Performance and Verification documents

TASK END DATE: ~~XX/XX/XX~~ 10/21/99

MILESTONES/DELIVERABLES AND DATES:

Weekly verbal status reports in NanoSat staff meeting.	Weekly
Summary Report on EPS Issues/Status	Within 7 days after Review Completion
Quarterly Progress Reports	Quarterly, beginning June 1, 1999

PERFORMANCE STANDARDS:

Schedule: On-time delivery of the above
Technical: ATR's acceptance of the above

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):
Bob Beaman, building 20, room 170